

**II. Listing of Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-4. (Cancelled)

5. (Previously Presented) A dietary supplement composition comprising:  
a nutritionally effective amount of isolated and purified acetylated mannose; and  
a nutritionally effective amount of at least five isolated and purified saccharides selected from: galactose, glucose, mannose, xylose, N-acetylneuraminic acid, fucose, N-acetylgalactosamine, N-acetylglucosamine, arabinose, glucuronic acid, galacturonic acid, iduronic acid and arabinogalactan.

6. (Previously Presented) The dietary supplement composition of claim 5, wherein the at least five isolated and purified saccharides are powdered.

7. (Previously Presented) The dietary supplement composition of claim 5, wherein the at least five isolated and purified saccharides are essential saccharides.

8. (Previously Presented) The dietary supplement composition of claim 5, wherein the at least five isolated and purified saccharides further comprise glucosamine and rhamnose.

Claims 9-24. (Cancelled).

25. (New) The dietary supplement composition of claim 5, wherein the acetylated mannose and the at least five isolated and purified saccharides are dissolved in a liquid.

26. (New) The dietary supplement composition of claim 5, wherein the acetylated mannose and the at least five isolated and purified saccharides are encapsulated.

27. (New) The dietary supplement composition of claim 5, wherein the acetylated mannose and the at least five isolated and purified saccharides are bioavailable.
28. (New) The dietary supplement composition of claim 5, wherein the acetylated mannose is obtained from the group consisting of aloe vera and acetylated polymannose, and the at least five isolated and purified saccharides are obtained from the group consisting of gum tragacanth, guar gum, grain flour, rice flour, sugar cane, beet sugar, potato, milk, agar, algin, locust bean gum, psyllium, karaya gum, seed gums, Larch tree extract, gum ghatti, starch, cellulose, degraded cellulose, fructose, high fructose corn syrup, pectin, chitin, acacia, gum arabic, alginic acid, carrageenan, dextran, xanthan gum, chondroitin sulfate, sucrose, maltose, glucan, lentinan, mannan, levan, hemi-cellulose, inulin, fructan, and lactose.
29. (New) The dietary supplement composition of claim 5, wherein the acetylated mannose and the at least five isolated and purified saccharides are provided in monomeric, oligomeric and/or polymeric forms.